CLAIMS

What is claimed is:

1. A seal for sealing rotating shafts, or rods that move back and forth, comprising a sealing element for said shaft or said rod, said sealing element fitted with a sealing surface or a sealing edge, wherein said sealing element is provided on at least one of its surfaces with a facing including a nonvowen material impregnated with a polymer dispersion.

2. The seal according to Claim 1, wherein the nonvowen material is impregnated with at least one polymer dispersion selected from the group consisting of latex, PTFE, FEP, and PFA.

3. The seal according to Claim 1, wherein the facing forms the sealing surface or the sealing edge.

4. The seal according to Claim 1, wherein the facing extends over the entire surface of the sealing element and is oriented toward an outside of the seal.

5. The seal according to Claim 1, wherein the facing is disposed on a surface of the sealing element and is oriented toward an outside of the sealing element at a distance from the sealing surface or the sealing edge.

6. The seal according to Claim 1, wherein the seal has a lip for protection against dirt, said lip consisting of a PTFE nonvowen material.

7. The seal according to Claim 1, wherein the sealing element is provided with a spring element for pressing the sealing surface or the sealing edge against the shaft or the rod.

8. The seal according to Claim 6, wherein the PTFE nonvowen material is placed on a plurality of dust lips of the seal.

9. The seal according to Claim 1, wherein a PTFE nonvowen material is placed into a recess of the sealing element.

10. The seal according to Claim 9, wherein the PTFE nonvowen material placed into the recess of the sealing element is held therein by friction.

11. The seal according to Claim 1, wherein a PTFE nonvowen material is glued to the sealing element or is bonded thereto by vulcanization.

12. The seal according to Claim 1, wherein the nonvowen material consists of at least one layer of a nonvowen material impregnated with a PTFE dispersion.

13. A seal comprising:

a stiffening ring;

a sealing element formed of an elastomer disposed on the stiffening ring; and

a facing disposed on an outer surface of the sealing element, the facing formed on a nonwoven material impregnated with a polymer.

14. The seal according to claim 13, wherein the sealing element includes a sealing edge and a dust lip, the facing being disposed on the sealing edge.

15. The seal according to claim 14, further comprising a coil spring that presses the sealing edge against a shaft or a rod to be sealed.

16. The seal according to claim 13, wherein the facing extends over an entire outer surface of the sealing element.

16. The seal according to claim 13, wherein the facing is a stiffening member.

17. A cassette seal comprising the seal according to claim 13.

18. A sliding seal comprising a first ring with a facing, the facing comprised of a nonwoven material impregnated with a polymer and in sliding contact with a second ring, wherein the first ring and second ring are sealed against a housing and a shaft or rod.